

ADVANCED DUI SEMINAR

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DUI DRUG CASES

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Distributed by:

ARIZONA PROSECUTING ATTORNEYS' ADVISORY COUNCIL

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Prosecuting the Drugged Driver

Toxicology

Goals

- Articulate the corroborative role of toxicology in a DUI-drugs case
- Explain the difference between drug presence and drug impairment

Goals

- State the advantages and disadvantages of different physical specimens
- Describe the three studies that supported the validity of DRE procedure

The Science of Forensic Toxicology

- Toxicology
 - The science of the study of poisons
- Forensic Toxicology
 - The analysis of drugs and poisons in biological materials and the application of the findings to the law

Toxicology and the DRE Program

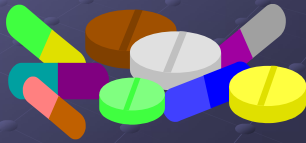
- Toxicology is the 12th step in the DRE evaluation process
- Determine if the chemicals are present in the sample

AZ DPS Regional Lab System

- ✓ Central – Phoenix (full toxicology & alcohol)
- ✓ Southern – Tucson (partial toxicology & alcohol only)
- ✓ Northern – Flagstaff (partial toxicology & alcohol)
- ✓ Western – Lake Havasu (alcohol only)

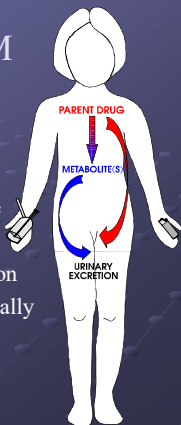
WHAT IS A DRUG?

- A substance used to treat a disorder or used to cause a change in the body
 - Prescription
 - Over the counter
 - Illicit



DRUG METABOLISM

- The biochemical transformation of a drug
- Metabolites are more water soluble than the parent drug
- Transformation assists in elimination
- Metabolites may be pharmacologically active or inactive
- May be the target of lab analysis



Role of the Toxicology Laboratory

- Corroboration
- Quality Assurance
- Expertise
- Effectiveness

Role of the Toxicology Laboratory

- To assist the criminal justice community in the investigation and adjudication of criminal cases
- Analysis: Drug Presence and Quantity
- Expertise:
 - Interpretation
 - Court Testimony
 - Training

How Much Work Do We Have?

In the last year, we performed about

6100
drug screens.

We service ~250 agencies around Arizona.
